

THE RING

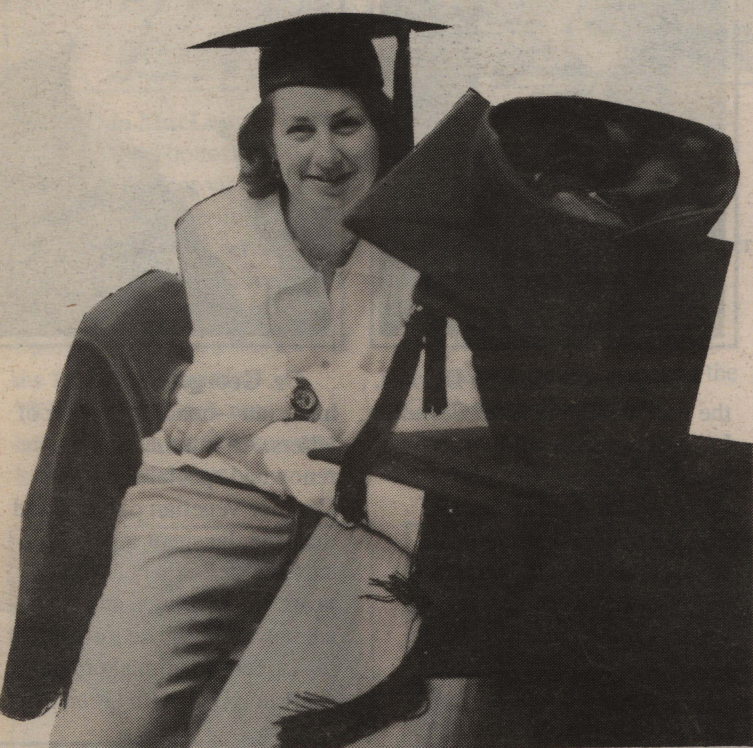
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Spring 1996 Convocation Edition

PATTY PITTS PHOTO



Surrounded by mortarboards, UVic graduate and bookstore employee, Kelly Mannix is one of many people involved in behind the scenes preparation for Convocation. See story page 6.

Exceptional students honoured with medals

While 2,250 graduates will receive degrees during three days of convocation on June 6, 7, 8, a small group will walk away with special honours. They are the top students who will receive medals honouring their achievements. See profiles on pages 3, 4 and 5.

Governor General's Gold Medal

(best thesis in a master's or doctoral program)

Thomas Garfat, Child & Youth Care, Montreal, Quebec

Governor General's Silver Medal

(highest graduating marks in graduating class in all faculties)

Jared Anderson, Honours Math & Physics, Victoria

Lieutenant Governor's Silver Medal

(best MA or MFA thesis)

Dorothy Kennedy, Anthropology, Victoria

University of Victoria Jubilee Medal

(outstanding student in Arts & Science)

TIE

Roderick Campbell, English/Chinese Studies, Madeira Park, B.C.

Nathaniel Straathof, Psychology, Victoria

The Victoria Medal

(highest graduating average in Fine Arts)

Kinza Lyn Tyrrell, Music, Victoria

Maxwell Cameron Medal

(highest graduating average in Elementary education)

Shauna Ross, Education, Regina Sask.

Maxwell Cameron Medal

(highest graduating average in Secondary Education)

Teresa Devereaux, Education, Victoria

Canadian Society of Mechanical Engineering Medal

(highest graduating average in Mechanical Engineering)

David Shepherd, Terrace, B.C.

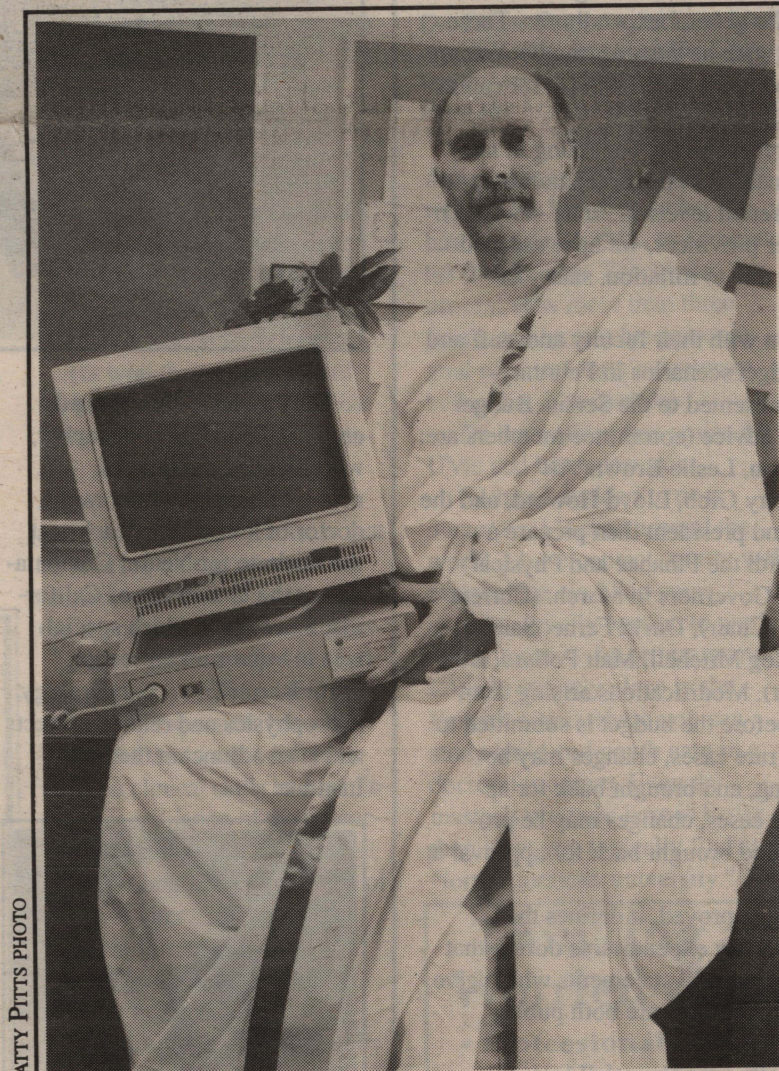
The Law Society Gold Medal

(highest graduating average in law)

Roshan Danesh, Montreal, Quebec

Did you know?

- There were seven students enrolled in Victoria College's inaugural class in 1903—four women (57 percent) and three men. There are now 17,000 students enrolled at UVic. The percentage of female students remains virtually the same, at 58 percent.
- Five instructors taught the first-year McGill University courses in 1903. Now, more than 1,200 faculty provide courses in Arts & Science, Business, Education, Engineering, Fine Arts, Human and Social Development, and Law to undergraduates, master's students and doctoral candidates and attract in excess of \$20 million a year in research grants and contracts.
- UVic's unique ceremonial furnishings on the stage at Convocation were created by some of the province's best known Aboriginal artists and given to the University in 1993 by Michael Williams, owner of Victoria's Swans Hotel.
- UVic graduates earn an average of \$7,000 more a year than they would have without a UVic degree. Those with master's degrees earn \$8,000 and PhDs make about \$15,000 more, according to the latest economic impact study released by the University last fall.
- We're the fourth largest employer in the CRD, directly employing a workforce of 3,100 people and supporting almost 10,000 local jobs.
- Since 1992, UVic has started 23 spin-off companies which have created 121 jobs in Victoria.
- Through conference and housing service, 60,000 visitors days and 40,000 visitors nights are spent in Victoria each year—a boost of almost \$4 million to the local economy.



PATTY PITTS PHOTO

Quo Vadis? Dr. John Füch (Classics) ponders the ancient question with the aid of new technology. The connection between Euripides and email is revealed in the accompanying story.

Virtual classrooms funded by province

BY PATTY PITTS

Language instruction in cyberspace, videoconferencing on desktop computers, and Greek and Roman studies on the World Wide Web are among the projects funded at UVic this year through the provincial government's Innovations Fund. All of the projects involve harnessing new technology to provide better access for students at a reduced cost over the traditional method of course delivery.

The \$478,815 in funding will be used to develop courses on CD-ROM or the World Wide Web (or both) and to convert existing courses to computer format.

"The package we presented to the government promoted development of an environment of distributed learning," says Dr. John Schofield, Associate Vice-

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President's Notebook

Forgive me if you know this already, but not everyone is familiar with how the University's budgets are developed, and the many steps between initial revenue forecasts and final expenditure decisions.

The University Act, with specific reference to the budget, states in Sec. 27 that, "The management, administration and control of the property, revenue, business and affairs of the university are vested in the board..." and that the board is "to receive from the president and analyse and adopt with or without modifications the budgets for operating and capital expenditure for the university;"

While that is a statement of *who* is accountable for a university's budget (the president), it does not say *how* the budget is prepared or who is responsible for doing so. As one would expect, the responsibility for budget development at UVic, as at any university, is distributed among the various administrators—chairs, directors, deans, vice-presidents, managers, and the president. This must also be done in line with section 28(1) of the Act: "The Board shall not incur any liability or make any expenditure in a fiscal year beyond the amount unexpended of the grant made to the university and the estimated revenue of the university from other sources...unless an estimate of the increased liability or overexpenditure has been first approved by the minister and the Minister of Finance."

In other words, expenditures must be planned not to exceed expected revenues (this year being \$99,075,000 (75.37%) government grant, \$30,075,000 (22.88%) estimated student fees, and \$2,300,000 (1.75%) projected earnings from interest, investments, etc.) The university also receives and manages other revenues which are unavailable for general expenditures. These include self-financing operations such as housing, the bookstore, and parking, as well as committed funds such as those for capital projects and research.

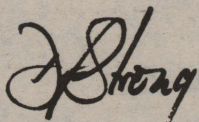
The UVic budget exercise in recent years, beginning in late Fall, has been dominated by the need for all administrators to prepare for threatened cuts at different levels (0, -2%, -4%, etc.). So far, unlike universities in other provinces, we have escaped cuts greater than those necessary due to inflation, salary increases, and enrolment growth.

Administrators, in consultation with their faculty and staff and their vice-presidents, prepare budget scenarios in February-March. These draft budgets are presented to the Senate Budget Committee for its comments and advice (committee members are: Jim McRae (Chair), John Anderson, Leslie Brown, Ali Dastmalchian, Paula DeBeck, Betty Gibb, Lloyd Howard, and the President). The vice-presidents and president then prepare a budget proposal for discussion with the Finance and Physical Plant Committee of the Board of Governors in March. (Current members are: Norma Mickelson (Chair), David Ferne, Sandra Harper, Brian Lamb, Brian Lo, Reg Mitchell, Matt Pollard, Bob Rogers, Mary Ann Teo, President). Modifications arising from these discussions may be made before the budget is submitted to the entire Board for approval. In rare cases, changes may be proposed in the full Board meeting, and brought back for approval at its May meeting. In rare cases, changes may be proposed in the full Board meeting, and brought back for approval at its May meeting.

Once the final budget has been approved, it defines the financial parameters for the University expenditures during that year. The budget and the audited financial statements which give a detailed breakdown of these expenditures are both public documents.

It goes without saying that the Board expects all budget decisions and expenditures to protect the quality of our programs and to minimize the impact of any cuts on the core educational and scholarly mission of the University. For 1996-97 the budget requires \$2.04 million in cuts across most departments. These funds will be reallocated to protect or enhance key academic resources such as library acquisitions, teaching equipment, and student scholarships and bursaries and to compensate for inflation-driven cost increases.

In the next President's Notebook, I will focus on expenditures.



David Strong
University of Victoria

University confers 11 honorary degrees

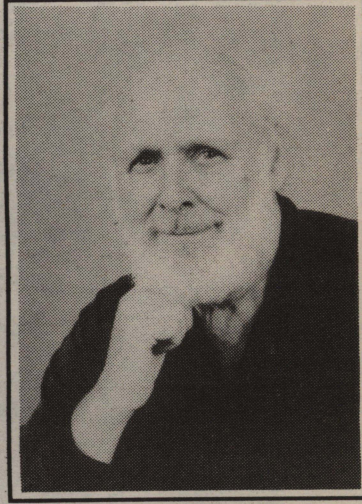
During six convocation ceremonies June 6, 7 and 8, UVic will confer honorary degrees on 11 individuals who have made contributions to the arts, business, scholarship, science and the community.



Liona Boyd, world-renowned classical guitarist—honorary doctor of music. Born in London, England she was the first Canadian classical artist to receive a gold record after sales of more than 50,000 copies of her record *Liona Boyd—A Guitar for Christmas*. She has won four Juno awards and has been awarded the Order of Canada.



Maureen Kempston Darkes, the first woman to head Canada's largest company—honorary doctor of laws. A lawyer by training, she is president and general manager of General Motors. She was a member of the federal government's Free Trade Agreement Automotive Select Panel.



Dr. George Knox, art historian—honorary doctor of letters. An internationally-renowned specialist on 18th Century Venetian painting and drawing, he spent most of his career at UBC, where he is a professor emeritus, and has been a constant presence throughout his career in national organizations involved with art history.



Dr. Patricia Churchland, eminent Canadian philosopher, who founded the field of neurophilosophy—honorary doctor of letters. She teaches at the Institute for Neural Computation at the University of California, San Diego, which specializes in brain-mind research, artificial intelligence, neurology, neurophysics and related subjects and is an adjunct at the Salk Institute.



Dr. Paul Churchland, physicist and philosopher—honorary doctor of letters. Born in Canada, he teaches physics at the University of California, San Diego. Virtually every essay or book on the philosophy of the mind make reference to his and his wife Patricia Churchland's work, as do most books on the science of the mind.



The Hon. Mr. Justice Frank Iacobucci, jurist—honorary doctor of laws. Born in Vancouver, he received his LL.M. from Cambridge and specialized in corporate law during his years of practice. He was vice president and provost of the University of Toronto, federal deputy minister of justice, deputy attorney general of Canada, Chief Justice of the Federal Court of Canada, and in 1991 was appointed to the Supreme Court of Canada.

QUOTE

"The most elusive knowledge of all is self-knowledge and it is usually acquired laboriously through experience outside the classroom"

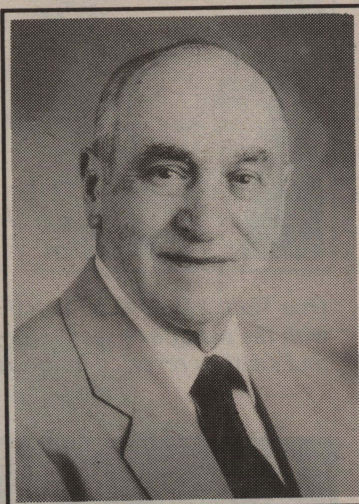
—Mirra Komarovsky (1906-)
Women in the Modern World, 1953

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Dr. John Climenhaga, astrophysicist—honorary doctor of science. Born in Saskatchewan, he was the first head of the physics department at UVic and went on to become dean of science. UVic's observatory was named after him in 1982.



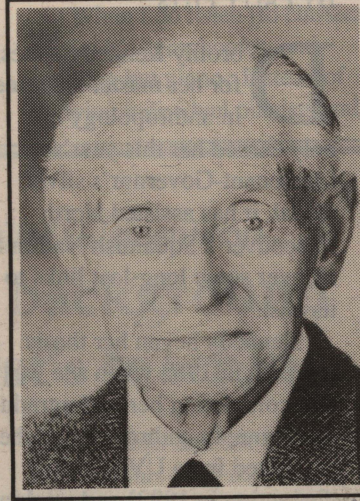
Dr. Don MacLaurin, chemical engineer—honorary doctor of science. A former vice president and professor emeritus at UVic, he was involved in setting up the Western Canadian Universities Marine Biology Station at Bamfield and was a member of the founding council of TRIUMF, Canada's national laboratory for particle research located in Vancouver.



Eva Schaefer, patron of the arts—honorary doctor of laws. She has been active in the Victoria arts community for more than 20 years as a member of the board of the Victoria Symphony, Greater Victoria Music Festival, Arts Council, Conservatory of Music and the Commonwealth Games.



Mary Pratt, leading Canadian female realist painter—honorary doctor of fine arts. Internationally recognized, this maritime artist imbues realist paintings of domestic scenes with meaning and symbolism. Her work is hung in major universities, corporations and galleries around the world.



Herbert Schaefer, patron of the arts—honorary doctor of laws. He was a recording engineer with the BBC in London for more than 30 years before he retired and moved with his wife, Eva, to Victoria. He began a second career as a volunteer with the Victoria Symphony and during the last 21 years has tirelessly recorded almost every concert or opera held in the city, providing a musical archive of Victoria.

President's Distinguished Lecturer speaks on our current understanding of consciousness

Dr. Paul Churchland, Professor of Philosophy at the University of California at San Diego will deliver the second in the "Mind Series" of President's Distinguished Lectures on June 6 at 7:30 p.m. in room A240 of the Human and Social Development building. The title of this free, public lecture is "Recent Work on Consciousness: Philosophical, Theoretical and Empirical."

Churchland, a Canadian, has received high distinction and wide renown for his revolutionary contributions to the understanding of the relationship between the mind and the brain. The *Globe and Mail* describes his most recent book, *The Engine of Reason, the Seat of the Soul: A Philosophical Journey into the Brain* (1995), as "a stimulating guide to the hardware in our heads." In it, Churchland reviews recent discoveries in neuroscience and argues that thoughts and feelings are nothing more than patterns of activation among the brain's neural networks. An articulate and enlightening speaker, Churchland has appeared in several television documentaries on the nature of the mind.

His wife, the eminent neurophilosopher Dr. Patricia Churchland, delivered the first lecture in the "Mind Series" last year. Both Churchlands will receive honorary degrees from UVic during Spring Convocation.

Governor General's Gold Medalist

Garfat wins for study of youth intervention

BY TERESA MOORE

"I felt like a little kid when I heard," says Dr. Thomas Garfat (Child & Youth Care). The 49-year old UVic grad was at home in Montreal when the call came from his doctoral supervisor, Dr. Frances Ricks, telling him he had been awarded the 1996 Governor General's Gold Medal as the top student in the Faculty of Graduate Studies.

"I was so excited, absolutely stunned. I've never had an acknowledgment like this before," he enthused.

The prestigious medal, which is awarded annually by a committee with representatives from every faculty across campus, is an acknowledgment of his academic prowess—Garfat graduated with an A+ average—but it's more than that, he says.

"From a child care perspective, it is just great. This is not a field that gets much acknowledgment and the fact that a committee outside of child and youth care felt my work was worthy says a lot." Garfat has already received congratulatory email messages from around the world, including one from the board of the South African Child & Youth Care Association. "They are very, very happy about this," says Garfat, who taught in UVic's School of Child & Youth Care from 1978 to 1981.

Garfat is the 28th grad to receive the Governor General's Gold Medal since it was first presented at UVic in 1968, and the first from the Faculty of Human & Social Development.

He won the coveted award for his dissertation on *Effective Child and Youth Care Intervention: A Phenomenological Approach*. What made it so extraordinary, says Ricks, is that he focused on the intervention moment and how it worked for the client and child care worker.

"Intervention is often studied from either the child or the worker's perspective, but what Thom did was totally different. He used clinical skills to do an in-depth examination of the interaction between the two. His model of the process and components of effective intervention will be useful in formulating future programs as well as in training workers in the field."

Garfat's work was sparked by his own experiences during 20 years of working with youths. He recalls numerous times when a young person would say to him "Do you remember when you said such and such to me? That was the most important moment in my life."

"Often I'd just scratch my head and try and remember the exact moment the child was talking about, but I couldn't. I became curious as to what makes things meaningful for kids and when it works, what's going on between the child and the worker."

Garfat completed his resi-



Dr. Thom Garfat relaxes at his home just outside Montreal with dog Lili after winning the Governor General's Gold Medal for the top doctoral student at UVic. He is the first recipient of the award from the School of Child & Youth Care.

dency year at UVic in 1994 then returned to Montreal, where he has lived since 1981, to complete his dissertation. The whole process took more than three years, and he met his personal goal of completing a doctorate before his 50th birthday.

He has nothing but praise for UVic and his supervisor.

"When I decided to do a doctorate, I looked around the world. I have contacts pretty well everywhere, so I had some choices. I really wanted to work in the context of a program and UVic is the only place in the English world where you can study child and youth care in a doctoral program. Even the master's program here is better than what you typically find at a North American university." The

doctoral program is offered through special arrangement.

Working with Ricks was an added attraction: "She is brilliant, creative and one of the best teachers I've ever had. I've respected her for years."

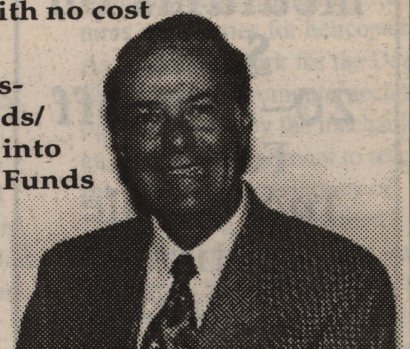
Garfat has begun to put his research into practice in his private consulting business. Currently, he is working on a project in the Annapolis Valley in Nova Scotia, as well as conducting training courses for the Justice Institute and supervising students at Mt. St. Vincent University. When not working, he enjoys working around the house, gardening, reading and spending time with his long-time companion, family and child care worker Sylviane Desjardin, and their dog Lili.

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Governor General's and Lt. Governor's Silver Medalists

Top undergraduate scores perfect 9.0

BY TERESA MOORE

You can't get much better than perfect and perfect is the score Jared Anderson will graduate with this spring. The honours math and physics student scored a whopping 9.0 GPA making him, in mathematic's chair Dr. Bill Pfaffenberger's words "one of the top three students ever in the history of the department" in "probably the toughest program we offer" and earning him the Governor General's Silver Medal for the top undergraduate student at UVic.

Anderson has attracted the attention of math teachers and professors since his early high school days. His teacher at Mt. Doug High School, recommended him for early entry into UVic and he took his first year math courses while still a high school student.

"He was in my first year linear algebra course with a class of engineering students—he beat them all," says Pfaffenberger, who calls Anderson "an exceptional student who loves what he's doing."

While at UVic, Anderson participated in a number of competitions including the prestigious William Lowell Putnam Mathematical Competition, which attracts the brightest math students from across North America. He competed three



Jared Anderson (left), winner of the Governor General's Silver Medal and Dorothy Kennedy, winner of the Lieutenant-Governor's Silver Medal.

times and this year finished 29th out of 2,468 competitors, with a score of 60 out of a possible 120. The median score is three. He also finished in the top 10 in a national exam sponsored by the Canadian Association of Physicists.

Anderson, who didn't decide until third year whether he would pursue graduate studies in physics or mathematics,

completed physics co-op terms at the University of Pennsylvania in Philadelphia and at TRIUMF, Canada's largest particle physics research centre, in Vancouver.

After graduation, he plans to take the summer off to relax and study before heading to Princeton University where he will work towards a doctorate in

pure mathematics. He selected Princeton because "it is one of the top two schools and the profs are all top-notch." The U.S. \$22,000 tuition fees and related expenses will be covered by a National Science Foundation grant he was recently awarded. Only 38 such grants were awarded this year.

Anderson's father, Marlowe, was a chaplain at UVic in the 1980s and his brother, Jeremy, is also graduating this spring with a master's degree in applied science.

Thesis builds Squamish data base

BY PATTY PITTS

Dorothy Kennedy's thesis for her master's degree in anthropology not only earned her this year's Lieutenant-Governor's silver medal, it has assisted North Vancouver's Squamish Nation to recover some long-lost links to its past.

Kennedy began her thesis research in 1983 when she was still completing her undergraduate degree in anthropology (she graduated from UVic with distinction in 1993) and working for the Squamish Nation. She thought the data she was collecting would be useful in trying to quantify a 50-year-old theory claiming that Coast Salish Aboriginal people expanded their

resource base (and protected themselves against fluctuations in resources like fish stocks) by marrying outside their villages.

"The early theorists based their information on conversations with Elders recalling the 1870s and 1880s," says Kennedy. "As soon as I saw potential for addressing some untested, theoretical issues I could see it would be a good thesis and a contribution to anthropology."

Kennedy poured over old census results and baptismal records still in possession of the Catholic church.

"These records contained both the people's Native and English names as well as their village and tribal affiliation," she says. "These were the precise data required to test part of the theory. Since so many people were baptized as adults, I was able to construct a data base that goes back to the early historic period."

An author whose articles are published in journals and books such as the Smithsonian Institution's in-progress 20-volume *Handbook of North American Indians*, Kennedy also receives great satisfaction from the practical effect her research has had on the Squamish.

"The thesis helps the Squamish have a better understanding of their history. They've been able to re-introduce ancestral names to their families. Young people have been able to acquire a name that belonged to their great-great-grandparents. It's introduced in the longhouse and gives them a tie to the community at large and to their ancestral language. The Squamish appreciate that they now have the data base to do this."

University of Victoria's Jubilee Co-medalists

From academic suspension to top of class

BY ROBIE LISCOMB

Roderick Campbell, co-winner of a Jubilee Medal for being at

the top of his graduating class, wasn't always a scholastic superstar. Ten years ago he was on academic suspension from the astrophysics program at Queen's University. He left the program and travelled to Taiwan to pursue his interest in martial arts. During three and a half years in Taipei, he studied Chinese, became proficient in several Chinese martial arts, married, and decided to return to Canada to complete his BA—this time, in general English and Chinese studies at UVic.

"I'm interested in all aspects of Chinese literature," says Campbell, "but particularly in the early periods and the inscriptions on oracle bones. I'm interested in the early period because the least is known about it. A lot is said about how old Chinese culture is, and this represents the roots of that civilization."

Campbell credits his martial arts training with helping him achieve academic excellence this time around. "I think martial arts has helped me a lot. Through martial arts, I've learned that to excel at something, you have to work hard and do whatever it takes."

Campbell returns to Taipei this summer, where he will continue his language studies at Taiwan Normal University for a year before entering the master's program in Chinese literature at National Taiwan University. His goal is to earn his PhD and teach Chinese literature at the university level.

Diverse psychology grad heads to Europe

BY TERESA MOORE

Diversity is something that Nathaniel Straathof seems to enjoy. This year's Jubilee Medal co-winner graduated with an 8.86 GPA in psychology, the highest GPA in the faculty of arts and science, but, during his years at UVic, he took a variety of courses including anthropology, architecture, linguistics and Japanese. Linguistics

was one of his favourites and, he says, helped him during the year he took off from studies to travel around Europe and Japan.

"I found I could pick up a Spanish or Italian newspaper and read it because of my training in linguistics," says the 23-year-old who also spent four months teaching English in Japan.

Now that he's completed his undergraduate work, Straathof plans to get a job and save some money so he can return to Europe (he's currently studying Spanish in preparation), revisit some of the places he enjoyed during his first trip and find new places of interest. When not working, he'll be painting and drawing—completing the portfolio he needs to get into architecture school at UBC. He planned his diverse undergraduate curriculum with architecture in mind and has taken the prerequisite math and physics courses.

"Now I just have to get my portfolio together. That'll be my project for the next two years."

He plans to spend a relaxed time in Europe, maybe settling in one place for a few months and, of course, checking out the architecture.

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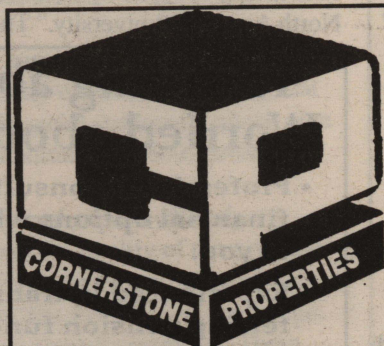
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Victoria Medalist

Pianist takes fine arts accolades

BY DONNA DANYLCHUK

Positions as both musical director and pianist for Jacques Offenbach's operetta *Parisian Follies* await performing pianist Kinza Lyn Tyrrell this summer. At age 23, Tyrrell appears completely undaunted by the summer job in which her talent will be enjoyed by audiences five nights a week at the Ocean Pointe Resort on Victoria's inner harbour.

Already, the student with the highest graduating average in Fine Arts has a reputation as a brilliant soloist and one of this area's finest accompanists and chamber music pianists.

While studying piano for the past four years with Prof. Robin Wood in the School of Music, Tyrrell has concentrated on the classics—her favourites are the works of composer Sergei Rachmaninoff, Frederic

Chopin and Johannes Brahms. "I've always liked the romantic composers best."

But, when she wants to listen to music, she chooses country singers Garth Brooks and Reba McEntyre. And she plays Christian rock music when she performs with the group Legacy at churches around town.

Tyrrell also sings with the UVic Chamber Singers. She's gone on two of their international tours and plans to go with the group to South Africa next year.

She has "always had a wide interest in music and as I'm getting older, it's coming out more. I have a lot of balance between my classical music studies and other forms of music."

"When I do listen [to classical music] it's symphonies—and anything but piano. Instead of studying individual pianists and



DONNA DANYLCHUK PHOTO

Kinza Tyrrell

trying to copy, I listen to music in general, for inspiration."

In April, Tyrrell was delighted to win the \$5,000 Roberto and Mary Wood Scholarship at the Greater Victoria Music Festival. "After three tries over the past five years, it was my fourth try and I won it."

She would like to obtain her master's in piano performance, but it's summer first, and along with her music, time for her other interests which include walking and hiking.

Law Society Gold Medalist

Grad created non-competitive learning atmosphere



UVIC PHOTO SERVICES

Roshan Danesh

BY PATTY PITTS

Law Society gold medal winner Roshan Danesh was the kind of student who completed his assignments earlier and better than anyone else, but none of his classmates found that the least bit irritating.

"Not only would he get his course summaries done early, he'd share them," says Danesh's friend and classmate John Stroud. "He didn't create an atmosphere of competitiveness. This gold medal couldn't have been given to a nicer guy."

Danesh will miss his convocation ceremony. He and his wife, Cathy Nash, who he met in their first year law class, are spending a year working at Landegg Academy, a Baha'i

school run by Danesh's father in Switzerland.

Minority religious groups and conflict resolution were a favourite focus of Danesh's research. Together with Prof. John McLaren (Law), Danesh wrote the print companion to a continuing studies video series "Social Justice: Challenge to the Present and the Future." The series examines the Nisga'a nation's struggle for a land treaty, the clash between environmental protection and employment, medical ethics and the influence of advocacy groups on governments.

"I was very impressed by him," says continuing studies arts and science programs director Brishkai Lund. "It's a pleasure to see someone like that so much involved in such issues."

Danesh came to UVic after completing a degree in film and communications at McGill University. Friends say he expressed an interest in clerking with a judge and doing post-graduate work, possibly in international law, at New York University where there are lots of teams to sustain Danesh's keen interest in professional sports and even more movie theatres.

Maxwell Cameron Medalist (Elementary)

Travel, acting background enrich medalist's teaching

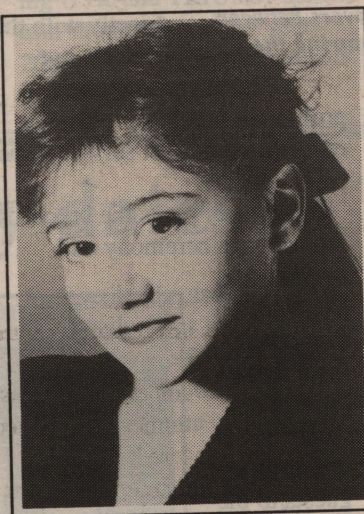
Shauna Ross is this year's winner of the Maxwell Cameron Medal (Elementary) for outstanding achievement in academic performance and elementary teaching practica. An avid traveller, Ross decided to make teaching her career while tutoring English in Austria during a year in Europe. Her concentration has been English as a Second Language.

Ross has a strong background in acting, having been in a National Film Board production at age 9 and performing in

touring plays and television commercials until she was 19. Many of her acting appearances were in public service or community productions. This background has helped her in the classroom "in every way," she says. "The kids need a lot of energy from a teacher; it really helps to make things dynamic and exciting."

Ross attributes her success at university to her love of teaching and her perfectionist tendencies.

She and her fiancé are planning a summer wedding and



Shauna Ross

she hopes to find a teaching job in B.C. "I'd prefer to start as a generalist teacher first," she says, "and perhaps specialize in ESL after that."

Maxwell Cameron Medalist (Secondary)

Love of her subject helps medalist excel

Teresa Devereaux is this year's winner of the Maxwell Cameron Medal (Secondary), for outstanding achievement in academic performance and secondary teaching practica. She credits her teachers in Victoria's Belmont Secondary school with inspiring her by example to pursue a teaching career.

Her fields are physical education and math. "I really enjoy showing people how to live a healthy lifestyle," she explains, "and I want to teach math in a way that helps people overcome their fear of the subject."

In practica at Dunsmuir Junior Secondary in Victoria and G.P. Vanier Secondary in Courtenay she got a chance to put her ideas into practice. At Courtenay, she worked as assistant basketball coach, helped out with the soccer team and led a hike to Cape Scott. She opened each math class with an entertaining mathematical puzzle, and emphasized practical applications and computer technology in her classes. "I was most impressed with the students' receptiveness and the support of the teachers there," she says.

When asked how she was able to maintain such a high level of academic performance, she replies, "It helps that I am really interested in what I'm studying, and there are lots of good teachers in the physical education department. The big spark for me was Howie Wenger's physiology class."

An avid scuba diver and hiker, Devereaux would like to find a teaching position on Vancouver Island.

Groundworker mourned by colleagues

Wayne Chambers, sessional groundworker in Facilities Management, died May 10 after a long fight with cancer. Many of his UVic colleagues attended private funeral services for Chambers on May 14 to pay their last respects to their friend and co-worker. Chambers first started at UVic in 1987 on a temporary basis. "He was a strong family person, with four young children," says grounds manager Tony James. Because of his illness, Chambers had been unable to work for the past two years.

Canadian Society of Mechanical Engineering Medalist

UVic's "human-size" attracted winner



David Shepherd

BY PATTY PITTS

It was while competing in the physics Olympics at UBC as a high school student from Terrace, B.C. that David Shepherd first considered the possibility of an engineering career. But when it came time to choose a university, this year's winner of the Canadian Society of Mechanical Engineering Medal chose UVic.

"I'm a small-town kid," says Shepherd, who graduated with a grade point average of 8.83 out of a possible nine. "I liked UVic because it's 'human-sized' and I really liked the co-op program."

During the UBC competition, Shepherd and his classmates were presented with a series of problems for which their design projects provided solutions.

"I really enjoyed it," remembers Shepherd, "then I realized that what I was doing was engineering."

At UVic, his co-op placements took him back to Terrace, over to the Lower Mainland and home to Victoria but his last placement in the Dean of Engineering's office led to a full-time position with Dart Aerospace in Sidney. The company designs and manufactures accessories for helicopters. As part of his work for the Dean, Shepherd used computer technology developed by the mechanical engineering department to test the strength and resiliency of Dart's landing gear. Currently, he is working on a new design for skid tubes, the struts that bear the helicopter's weight on landing.

"I'm going to be pretty happy here for awhile," says Shepherd, who, after a rigorous degree program, has more free time to golf and ski. "It's a fun place to work."

Lights! Camera! Action!

It's show time at Convocation

BY TERESA MOORE

Convocation: it's like staging a Broadway show, and like any big production, it can have its ups and downs. Take the time the ceremony was changed from Thursday at 2 p.m. to Thursday at 10 a.m. Everyone knew about the change—everyone, that is, except the Chancellor, the head of convocation. With only minutes to go, Helen Kempster, manager of UVic's

ceremonies and special events office, was getting worried. "We couldn't find him anywhere. We called his office, we even sent traffic and security to his house."

Serendipitously, he was out for a stroll and decided to drop into the ceremonies office. "We got him dressed just as the organist was starting to play. He never missed a beat."

Then there was the time a room full of graduates were left behind in the Clearihue building as the others filed into the University Centre.

"I was standing in the lobby watching the students file by and I thought 'this line's too short'. There was a huge gap in the procession," recalls Ruth McRae, Kempster's long-time assistant. She dashed back to the Clearihue and sure enough, the grads were sitting there waiting.

"They were wondering why it got so quiet all of a sudden," McRae laughs.

smaller Fall Convocation takes place in one day.

Kempster and McRae handle all the administrative details, mailing out notices of convocation, handling ticket requests and dealing with any problems the graduates or their families may have.

"It is very labour intensive because we have so much contact with the students," says Kempster. Organizers at other universities don't deal directly with the students but direct their

problems and questions to the registrar or student services, she says.

Kempster plans the proceedings of each ceremony and makes

decisions on everything from seating arrangements of platform guests to the numerous convocation receptions. She writes the ceremony, prepares the book of words, the set of instructions and speaking notes

that each platform guest receives, and assists in writing the citations for the honorary degree recipients.

Helping out at the ceremony are volunteers, many, like chief marshal Nels Granewall (Alumni Office) who have assisted with convocation for years. Their job is to ensure the graduates are where they are supposed to be, when they are supposed to be there.

Before the ceremony, graduates pick up their regalia in the Clearihue building and dress for the ceremony. There is an average of 245 graduates per ceremony and each is assisted by one of nine volunteer "robbers" who pin the coloured hood to the gown, making sure the graduate has the correct colour for his or her degree. Videos of previous convocations play in the background.

The graduates are then led by marshals into the University Centre, a process that requires military precision. "The procession is planned right down to the last second," says Kempster. "We know exactly what will

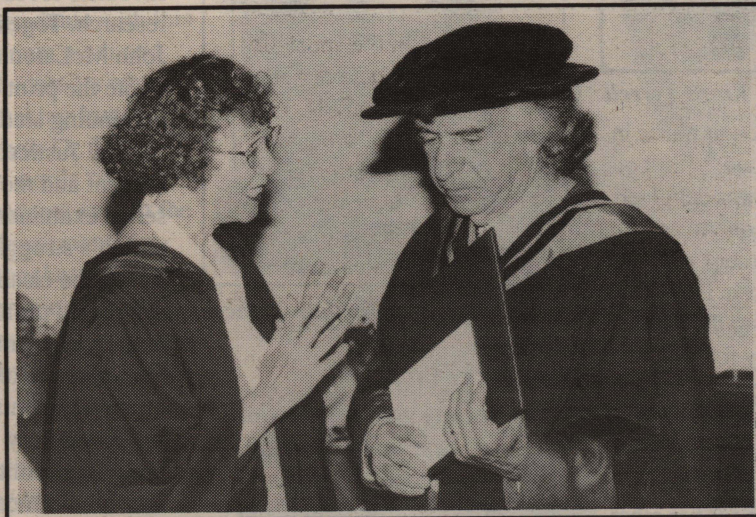
happen, who will be where and when."

After the ceremony, graduates and their families and friends socialize in the Centre cafeteria where, during this convocation, food services will pour 3,420 cups of coffee or tea, cut 3,600 sandwiches into quarters and bake 11,400 bite-sized cakes or squares.

When the coffee and goodies are finished, the smiling graduates head to their private celebrations while Kempster and McRae start the whole thing all over again. Platform chairs are rearranged for the next ceremony, regalia straightened out, and all other assembly areas set up. And, it's not even over when the last grad crosses the stage. There's the dinner for guests and VIPs and after that, the two pack up everything and head to convocations at the colleges where UVic degrees are granted—Malaspina University College, Okanagan University, University College of the Caribou, University College of the Fraser Valley.

"We take the whole show on the road—everything, the gowns, the hats, the hoods, us. It's a repeat of everything we do here," says McRae.

Are they exhausted after all this? "You bet," says Kempster, who's a competitive walker. "We cover 10 or 12 miles over the course of a convocation. You have to be fit for this job."



UVIC PHOTO SERVICES
Ceremonies' manager, Helen Kempster, readies honorary degree recipient Arthur Hiller, director of such films as *Plaza Suite*, *Love Story* and *Man of La Mancha*, to receive his degree. Kempster handles all the VIP functions as well as the graduates' ceremony. "You have to be fit for this job," says Kempster who covers between 10 and 12 miles racing around the University Centre during the three days of convocation.

Kempster and McRae can laugh at these incidents after the fact, but they're all business during convocation. It's a serious job for the pair who have been organizing UVic's convocations for more than a decade, and they want everything to run smoothly.

Preparation begins six months before convocation. Armed with a 16-page checklist, Kempster spearheads the operation that involves virtually every service department on campus—buildings and grounds, traffic and security, printing and duplicating, food services, photographic services, graphics, public relations, the president's office, administrative registrar, university secretary—and a team of 75 volunteers. Spring Convocation, with more than 2,000 graduates, stretches over three days. The



UVIC PHOTO SERVICES
It's show time: Ruth McRae of UVic's ceremonies office checks that grad, Kristie Clark, is ready for her convocation ceremony. McRae and her team of volunteers ensure that each grad is wearing the correct colour hood for his or her faculty. It's just one of a 16-page checklist of activities that must be checked and double-checked before the ceremony begins.

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Quiz: Test your knowledge of Convocation

1. Why is the tassel on the graduate's headdress moved from the left side to the right side?
2. What does the Chancellor's tapping the student on the head symbolize?
3. Why does the Chancellor tap some students on the head and shake the hands of others?
4. When was UVic's first convocation?
5. How many degrees were conferred at this first convocation?
6. How many degrees are being conferred at this year's Spring Convocation?
7. How many UVic alumni are there?
8. What does UVic's motto *Multitudo Sapientium Sanitas Orbis* mean?
9. What do the small birds on UVic's logo represent?
10. What percentage of UVic grads stay and work in B.C.?

Answers

1. The movement of the tassel from

one side to the other marks admission into the world of scholars. The student comes into convocation a student—with the tassel on the left side—and leaves a graduate—with the tassel on the right side.

2. A hold-over from the knighting ceremony where the monarch taps the prospective knight on the shoulder and dubs him "Sir," tapping is a convocation tradition started in Oxford and Cambridge. It is a symbolic act—a recognition by the learned gentry that the student has passed certain hurdles and can now be considered a scholar. Not every university follows the tradition of tapping undergraduates.

3. Only undergraduates get tapped by the Chancellor. Master's and PhDs were already admitted to the society of scholars when they received their undergraduate degrees, so they do not kneel. At UVic, master's graduates shake hands with the Chancellor and PhDs are accompanied by their supervisor who places their fac-

4. UVic's first convocation was held in May 1964.
5. There were 37 degrees conferred and two honorary doctors of laws degrees.
6. There will be a total of 2,250 degrees conferred—1,922 undergraduate degrees, 223 master's degrees, 51 PhDs, and 54 diplomas and certificates. There will also be 11 honorary degrees conferred.
7. With this convocation, there are now 49,584 UVic alumni.
8. It is Latin for *A multitude of the wise is the health of the world* and comes from the Book of Solomon 6:24.
9. The martlets—footless heraldic birds—refer to those on the crest of McGill University. UVic's predecessor, Victoria College, was founded in 1903 in affiliation with McGill.
10. Eighty-five percent of UVic grads remain in the province.

With NSERC grant UVic physicists explore the frontiers of our knowledge of matter

By TERESA MOORE

One hundred metres beneath the fields and pastures that straddle the French and Swiss borders lies a tunnel, 27 kilometres in circumference. With its sophisticated and space-age laboratories it could be on the set of a James Bond movie but it is part of CERN, the European Centre for Particle Research—the largest particle physics research laboratory in the world. Each day 2,000 physicists and researchers from 30 countries, including Canada, study fragments of colliding beams of particles—yielding quarks, one of the basic building blocks of matter—to probe the fundamental forces of nature, searching to understand the mysteries of the origin of mass.

Now, a \$105,000 NSERC grant will enable UVic scientists, lead by Dr. Michel Lefebvre (Physics & Astronomy), to play a key role in one of the biggest projects ever to be undertaken at CERN. Scientists will collide protons at the highest energies so far

achieved in a lab, allowing them to penetrate even further into the structure of matter and to recreate the conditions prevailing in the universe just tiny fractions of a second after the Big Bang, when the temperature of the universe was a billion million degrees. (Today the average temperature of the universe is about minus 270 degrees C.) It's a massive venture—its importance can not be underestimated, according to Lefebvre, who divides his time between UVic, CERN and TRIUMF, Canada's national laboratory for particle research located in Vancouver.

"This is state-of-the-art, frontier research and the most exciting area of discovery in our field for at least the next decade. We are trying to understand how the laws of nature work. You can compare the scale of this venture to the quest to put man on the moon."

In CERN's subterranean tunnel, scientists will install and assemble the Large Hadron Collider (LHC)—the most

advanced large scale superconducting magnet and accelerator technology ever employed—which will bring the protons into head-on collisions. Components of the accelerator will be built at sites around the world.

Harvesting the LHC particle collisions will be a \$500 million detector, known as ATLAS. UVic scientists, working with a team of Canadian physicists, will assist in the development of ATLAS. The height of a seven-storey building, it will be the largest detector in the world and one of Canada's priority physics projects. Canadian scientists will work with colleagues from more than 140 institutions worldwide over the next three years to develop, test, construct and operate a large calorimeter—a device that measures the energy of particles—a key component of the ATLAS detector. Construction will begin next year at various sites in Canada, including UVic and TRIUMF. Installation should start in the year 2000, with data analysis scheduled to begin in 2004.

"There's going to be a lot of activity in the basement of the Elliott building over the next four years," predicts Lefebvre, who will spearhead UVic's involvement.

Once constructed, the ATLAS detector must be taken apart piece by piece then reconstructed in the specially-built underground cavern at CERN. Installation, which is expected to take two years, will present one of the biggest challenges of the project.

"It's going to be like putting a ship into a bottle," says Lefebvre. "The whole thing has to come in separate pieces, like Lego blocks, then re-assembled in the tunnel by large cranes."

What this research will mean for humankind and how it will affect our day-to-day lives is something Lefebvre can't predict, but he harkens back to how dramatically our lifestyle was changed that unforgettable day on July, 21 1969 when American astronaut Neil Armstrong took his first step onto the moon's surface.

"Getting to the moon was one thing, but there's not much you can do once you're there. What we learned in the process, though, really pushed our lifestyle—the development of microchips and computers, even the pocket calculator; the improvement of lasers and communication technology that lead to cellular phones and CD players; advances in material sciences now used in airplanes...to name but a few technological changes that emerged because of the moon quest."

And, he adds, particle physics has already led to many useful applications, like the World Wide Web, which was invented in CERN in 1990 to allow particle physicists to communicate efficiently and globally using the Internet.

Lefebvre says that similar advances could result from the research being done at UVic and at CERN over the next seven years.

Convocation's history dates to Middle Ages

Elements of UVic's convocation ceremony date back more than 400 years. Although modernized over the centuries and adapted to meet the changing times, much of the ceremony is rooted in the traditions of the early secular convocations.

Modern universities rooted in the past

In the Middle Ages the church was responsible for higher education—monasteries were the centres of learning and monks were the scholars of society. Some cloisters ran small schools for the sons of the wealthier locals to generate income, but, for the most part, young men wishing to gain anything more than a basic education had to join a monas-

tery. By the 12th century, secular scholars began forming communities to pursue knowledge and truth and eventually these communities developed into independent universities in the prominent cathedral cities of Europe—precursors of today's universities. Many of the scholars who taught at these universities had been monks.

Convocation, or gathering, of the best

As universities grew, scholars wanted to honour students who had successfully completed their education and welcome them into the select and exclusive group of scholars. The word *convocation* originally referred to gatherings of the clergy of Canterbury and York, but in 1577, Oxford University used it

to describe the assembly of its MA grads. Ever since, students around the world have been admitted to the order of scholars in a convocation ceremony.

Ceremonial regalia

Many of the rituals held at modern convocations and the symbolic significance of the regalia date from a time before Oxford's first convocation.

The scarves or hoods students are wearing over their shoulders represent the hoods worn by the monks. They were decorated with colours and symbols identifying what the wearer studied—medicine, law, theology or the liberal arts. Today's hoods serve a similar function of identifying the student's field of study.

UVic had an early affiliation

with McGill University in Montreal and later with UBC, until it began to grant UVic degrees in 1963. To recognize these early ties, BA grads wear a red hood, one of McGill's colours, and BSc grads wear gold and BEds wear blue, UBC colours.

There is no symbolism attached to the traditional mortarboard. These strange hats, now worn only at convocation, were originally part of the student uniform. Today they are worn by graduates around the world.

Showing respect

During the convocation ceremony, students are presented to the university's chancellor who represents the traditional society of scholars. Undergraduates at

UVic kneel before The Hon. Robert Rogers, who is the head of convocation, to symbolize their subordination to a higher order and their admission to the society. MA and PhD grads do not kneel as they have already been admitted to the society as undergraduates.

Unlike many large universities which present students in groups by faculty, UVic graduands are presented individually to the Chancellor. At some universities, students are even given their degrees ahead of time and arrive at convocation with their degrees already in hand. Not so at UVic—each UVic grad gets the moment of glory he or she so well deserves.

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YWCA Women of Distinction:

UVic's women take top honours

Three UVic women were named Women of Distinction at the YWCA's second annual awards presentation on May 23. Dr. Elaine Gallagher (Nursing) was named a Woman of Distinction in the research and scholarship division for her work on elder abuse and gerontologic nursing, co-op student Suzanne Cochrane (Leisure Services) won the Young Woman of Distinction award, and adjunct assistant professor Dr. Colleen Nelson (Biology) won in the environment and sustainability category.

Gallagher has long been concerned with the plight of the elderly. One of her studies, the STEPS program, received national attention when it was released last year and has already had a major impact on the way communities are doing business with the elderly, says Gallagher. The program provided a hotline where people could report hazards on city streets. Now, she says, local engineers are welcoming calls

from people and investigating problems.

"In the past, they had no idea where many of the problems were. That has completely changed."

Cochrane won the inaugural Young Woman of Distinction award in recognition of her new ideas in managing tourist and forestry centres, specifically for her work while managing the North Island Forestry Information Centre in Port McNeil in 1994.

"We developed educational displays and information for the public that was quite different from other centres. We didn't want to tell people what they should or shouldn't think about the forestry, but provided them with objective and factual information that they could take away and make a decision on their own. Many of the issues related to the forestry are very controversial and we didn't want to tell people what is right or wrong," she says.

Cochrane will complete her courses at UVic in December

and is hoping to work with the Ministries of Forests or Environment, Lands and Parks before travelling to undeveloped countries "to see more of the world."

Nelson, who is associated with the Centre for Environmental Health, won the award for a program she is developing to monitor effluents from pulp mills, sewage and pesticide run-offs. The program detects hormone-mimicking substances that are potentially disruptive to humans. Early findings indicate that there are substances that interfere with the testosterone function, says Nelson, whose main area of research is in prostate cancer.

Winning the award was a real honour, says Nelson, who was particularly impressed with the awards ceremony.

"You walked away with a real feeling of philanthropy. It was an evening to honour all women, not just the winners. So many women are giving so much, just because we care. It was a wonderful experience."

Art and science blend to benefit medicine

BY DAVE CLEMENTS

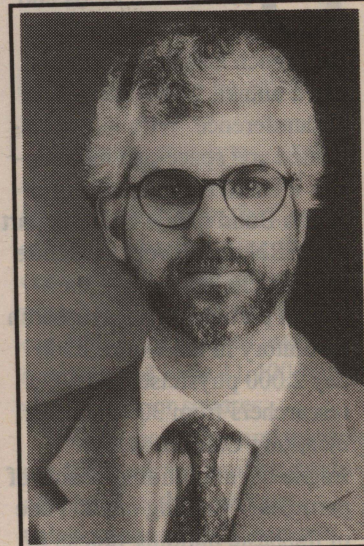
When the practicality of medicine meets the flair of the arts, the results can be amazingly beneficial.

For two years, School of Music professor Dr. Andrew Schloss, well-known for his work in technology and music, has been collaborating with Dr. Tecumseh Fitch, a post-doctoral fellow at Harvard University also working out of Massachusetts General Hospital. In what Schloss terms "a tantalizing merger of art and science," the two have been developing a revolutionary computer system which, during an operation, translates a patient's vital signs into video images and audible tones.

Schloss and Fitch have applied for a patent for their invention, and hope to market it through SONOS, a company they created to develop and market these technologies.

Doctors up to now have been limited to two-dimensional electronic display graphs to monitor heart and respiratory rates. The most revolutionary aspect of Schloss' and Fitch's invention is that it will translate this information into sound.

Based on the concept of *sonification*, using audio to aid understanding and analysis, the sound component will benefit surgeons and anesthesiologists. A computer program developed by Schloss and Fitch changes patients' vital 'signals' into audio tones, and a set of speakers and computer monitors relays these signals to doctors.



Dr. Andrew Schloss

Doctors do not have to avert their eyes from the operations they are performing to look at graphs, but can be alerted to changes in vital signs by a mere fluctuation or variation in tone. These changes will alert them to a problem allowing them to respond immediately, while still concentrating on the procedure they are performing.

Vision is a limiting method by which to analyze the world, since it can only be directed to a single focus, Schloss says. On the other hand, hearing is ideally suited to tracking multiple sources. The example of driving a car is useful to illustrate the point. When we are driving, our sight helps us steer and avoid obstacles we are approaching, but our hearing protects us 360 degrees, alerting us to honkings of horns and screechings of brakes from all directions. Similarly, we must constantly watch a kettle to know precisely when the water is boiling, but if it has a whistle, the sound lets us know *exactly* when the water has reached boiling point while we are attending to other tasks.

Quick response is especially important in the operating room. Surgeons need to be able to respond within seconds, or the result could be loss of life. With our ears, we can pay attention to an object, or process, even if we are not facing it. Thus, with Schloss and Fitch's invention, doctors can give an operation their undivided attention, and be instantly alerted to problems in breathing and circulation.

"Our hearing is 'designed' to protect us," Schloss says. "It keeps working where our eyes fail ... we cover our eyes with eyelids, but we have no earlids."

Schloss and Fitch met 10 years ago, when Schloss was a professor at Brown University, and Fitch was a biology undergraduate. Fitch enrolled in Schloss's course in computer music, and later completed a PhD in cognitive science. After Schloss came to UVic in 1990 the two kept in touch.

Their collaboration has been funded by an Advanced Systems Institute (ASI) fellowship.

Fund-raising projects approved

The University's fund-raising review committee recently completed a review of project submissions from faculties and administrative units campus-wide. It recommended the following projects to the Board of Governors which approved them at its May meeting:

- scholarships for upper year biology students to study at Bamfield
- graduate fellowships in economics to help attract the best students
- funds to purchase equipment for the new Business and Economics building with a focus on equipment for the electronic library, group study areas, computer support, audio-visual and office equipment
- monies to match a grant to the Chair in Environment Law and Public Policy from the Real Estate Foundation
- a library trust for law library acquisitions
- a new child care centre to be located in University House 2
- creation of an electronic resource area within the curriculum laboratory for use by education students
- bursaries to support international students who cannot afford visa student fees and the cost of living in Canada

The next deadline for faculty submissions to the funding review committee is Sept. 30. For more information please contact Kayla Stevenson, director, development and gift planning at 721-7624.

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International students bring joy to Victoria home

"...sharing our home matches our belief system that we must be aware of people outside our own lives and experiences."

BY TERESA MOORE

Christine Lindberg recently made a lemon meringue pie for Hye-jung Kim, 20, and Kyoko Aihara, 19. Nothing special for Christine, but for the two English language students from Korea and Japan respectively, it was a first. Amid much discussion and laughter, the pie was declared a winner, though lacking in a few essentials the duo are used to—like garlic which is a staple in Korea, and rice, which Aihara says is the mainstay of every Japanese meal, even breakfast.

Getting used to different food is just one of the challenges faced by Asian students who come to Victoria to learn a new language and culture. Helping them along are people like Christine and Terry Lingberg who, through the English Language Centre's Homestay program, have welcomed eight foreign students—from Korea, Japan, Thailand and Mexico—into their home in the last three years.

Approximately half of the 230 students enrolled in the 12-week English language program stay with Victoria families. Most stay for two terms and housing is arranged through the Homestay program. The program is immensely popular with Victoria families, says coordinator Wendy Seager, who has a pool of hosts ready to accommodate students. Relying only on word-of-mouth, her office fields an average of three enquiries a day and she has more hosts than students. Seager and colleague Nicola La Morte are particular about which students go to which homes and they visit each prospective family to match families and students for dietary needs, religious beliefs, special situations like allergies and whether students like pets and children. They also produce a quarterly newsletter to help host families learn about the

different habits of their guests.

The match worked well in the Lindberg's case. Kim and Aihara blended into the family and became two-year old Riley Lindberg's very own big sisters.

"He just loves them and Kyoko is teaching him Japanese. Everytime we go out somewhere and he sees someone he thinks is Japanese he runs up to them, smiling and says hello—*konnichiwa*," laughs Terry. "This is a great experience for him."

The Lindbergs became involved in the Homestay program before Riley was born when they were renting a large character home in Victoria. With more room than they needed, they applied for a foreign student and just "got hooked."

"The idea of having foreign students sharing our home matches our belief system that we must be aware of people outside our own lives and experiences," says Terry, who has a master's degree in counselling and works at a residential centre.

The Lindbergs receive \$600 a month per student for accommodation and board but, says Christine, "if money were your



Cooking is a family affair in the Lingberg home as everyone pitches in to make dinner. Terry Lingberg (holding Riley) and Kyoko Aihara get things started as Christine Riley (far right) and Hye-jung Kim look on.

sole motivation for doing this, you would be very disappointed.

"Bringing people into your home and making them part of your family takes a lot of commitment. Family is very important to us and we want it to be important to our students, too," she says. It's a lot of work, but worthwhile work, says the substitute teacher, adding that hosts must be aware of the difficulties students face when adapting to a new culture, albeit for only a few months.

"Many of the students are away from home for the first time and it can be a frightening,

lonely experience. We try to provide a home and a family so they feel as if they aren't so far away," says Christine. The couple have learned to see the world from their students' cultural perspective and not assume that they understand Canadian ways, particularly the idiosyncrasies of the language.

"We took one of our first students, a Korean boy, on a bike ride and when we got half way up this hill, I got off my bike and said, 'This is where I usually stop

and catch my breath'. He looked at me very strangely and started to laugh. The idea that I could 'catch my breath' made no sense to him. I laughed too, it was a real eye-opener," recalls Terry.

The Lindbergs include the students in family outings—

picnics, fishing, swimming and visits to the Gulf Islands—and in social activities, such as dinner parties and visits from friends. In return, the students often dish up some "fantastic Asian meals."

Kim stayed with the Lindbergs during her entire six-month stay in Canada. She recently returned to Korea to study as an interpreter. Aihara initially lived with another family who have since gone on an extended sailing cruise. She came to the Lindbergs in January after joining her previous hosts aboard their boat in Mexico for Christmas.

"It's not unusual for families and students to develop these really close bonds in a very short time," says Seager. "I know a retired couple who is travelling in Asia right now visiting students who lived with them over the years."

While living with the Lindbergs the pair became good friends, sharing an upstairs loft where they slept, studied, watched TV, talked and giggled.

"They'd laugh for hours and hours and sometimes the house would just ring with laughter," smiles Terry. "It was really wonderful."

The house is quieter now that Kim has gone and will become even quieter when Aihara returns home after the summer session to become a teacher, but the house will ring with laughter again—and Christine will cook up more meringue pies as the Lingbergs plan to continue to open their home, and their family life, to students from very different worlds.

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Students callers on the line to alumni

Attention Alums: When your phone rings in September, it may be a UVic student on the line, wanting to talk to you about UVic and your experiences here.

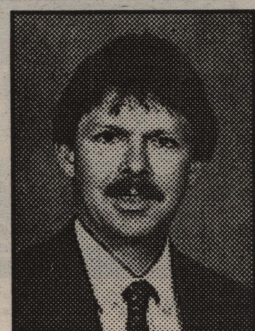
Over a 20-week period during the past year, nine students hired by the Development office talked to more than 20,000 alumni and friends of UVic about UVic faculties, programs and areas of mutual interest. Their goal? To create an interest in UVic and raise money for the university libraries, student scholarships and bursaries, equipment, and other programs. The result? They raised more than \$133,000.

"They did a terrific job and are wonderful ambassadors for the University," says Catharine

McLeod, annual giving coordinator. "The alumni have gone through what the students are now experiencing and can share their experiences with the students. They really have a lot in common."

The annual giving program also includes a direct mail campaign to more than 4,000

alumni outside Canada, the employee giving campaign and the President's Council Donors. A new campaign, which will target this year's graduating class, is now in the works. Recruiting for student callers begins in August and the phones will start to ring again in September.



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CULTURAL TOURS

Classics and language studies on WWW

continued from page 1

President Academic. "This applies the techniques developed for distance learning to students who do not necessarily live in another town but, for various reasons, can't be in a specific classroom at a specific time to take a specific course."

Several geography and environmental studies courses will be brought in under the distributed learning umbrella as well as a group of humanities courses that will form the basis for a Virtual College of the Humanities. Dr. Peter Liddell (Germanic Studies), who chairs the ad hoc humanities computing committee, sees no incongruity in those who study ancient and medieval civilizations being so accepting of the latest technology.

"Humanities have been embracing it [new technology] for 10 years. The technology is changing so quickly it's already advanced to the next level of sophistication since we submitted our funding application."

That increased sophistication will make it possible for students studying Classics and English romanticism to use computers as effectively as their colleagues studying sciences.

"Traditionally," says Liddell, "this technology was geared towards courses that are heavily fact-based and humanities are more dependent on a discussion component. Now students have access to a virtual gathering space where they can discuss their work directly or leave messages for a later response."

Students studying via desktop videoconferencing won't have to wait for a response—they'll see and hear the person asking the question on their computer screen.

Universities could adapt desktop videoconferencing technology currently available and used by corporations for meetings to teach seminar-style courses—those which emphasize discussion rather than lectures, and which are held around a table rather than in rows of seats before a lectern, proposes Dr. Eric Manning (Computer Science and Electrical and Computer Engineering).

"I call this light-weight remote learning," says Manning. "It can extend the seminar experience to remote participants in contrast to the heavy-weight style of the video classroom which extends the

lecture experience to remote participants. No classroom is needed. Each participant just needs a PC with a microphone and an internet connection and a ConneCtix camera (\$150). All participants have to sign on at the same time so the tyranny of time is not broken but the tyranny of space is."

Existing software provides sound plus up to eight video "windows" on a computer screen to be filled by the images picked up by the various users' tiny personal cameras. Communication is done in real time. There's also the ability to simultaneously display the same kind of material usually shown on overhead projectors or flip charts.

Manning will use his innovation funds to purchase equipment and software necessary to offer a graduate engineering course on line. Initially, it will be offered only to UVic students, but the potential exists to include students from other provincial institutions, consequently greatly expanding the course offerings available to B.C. graduate and upper-division undergraduate students.

Thirsk to talk to students from space

Canadian astronaut Dr. Robert Thirsk, an adjunct professor with the Department of Mechanical Engineering, will use a ham radio to talk with three groups of students from across Canada during his upcoming space flight. The conversations are arranged through the Shuttle Amateur Radio Experiment (SAREX), a program aimed at bringing the wonder of the space program into Earth-bound classrooms.

Students at Fort Langley Elementary School will travel across the border for their chat. When Thirsk heard a fellow American crew member had selected a school in Anacortes, Washington for a conversation, he asked if Fort Langley, which was also a SAREX participant, could join in the conversation. On the other side of Canada, Maple Grove Education Centre in tiny (population 500) Hebron, Nova Scotia is the first school in Eastern Canada to be selected to participate in the SAREX program. Twelve students from Grades 5 to 9 will fire questions at Thirsk and then listen in while 150 students from nine Saskatoon schools gather at the city's College Park School to have their say with the astronaut.

Back here on Earth, UVic mechanical engineering students continue their research with equipment and procedures they developed for an experiment called measurement of venous compliance (MVC). This experiment is designed to investigate how veins, muscles and blood flow in the legs of astronauts adapt to a weightless environment. Thirsk hopes the research at UVic will take him closer to his goal of developing an anti-gravity suit to help astronauts decrease the effects of weightlessness on their cardio-vascular systems.

Students will attend shuttle launch

A co-op work term two years ago with the Canadian Space Agency landed UVic mechanical engineering student Susan Campbell a front row seat at the June 20 launch of the Space Shuttle Columbia. She was hired by the Canadian astronaut aboard the shuttle, Dr. Robert Thirsk, and fellow Canadian astronaut Dr. Dave Williams in late 1994 to complete an extensive document about the equipment aboard and the capabilities of the Russian Space Station Mir for use by Canadian astronauts.

When Thirsk extended an invitation to attend his launch

when his flight was assigned, Campbell and her boyfriend, UVic mechanical engineering graduate student Michael Pastula, decided to make the trip to Cape Canaveral, Florida.

"I've watched shuttle launches on TV but I'm told there's nothing like seeing it live," says Campbell, who met astronauts Chris Hadfield and Marc Garneau when completing her 1994 work term at St. Hubert, Quebec.

A graduate of St. Michael's University School, Campbell is in her fourth year of mechanical engineering studies at UVic.

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CALENDAR

ALL EVENTS ARE FREE UNLESS OTHERWISE INDICATED. SUBMISSION DEADLINE FOR THE NEXT ISSUE IS JULY 12.

ATHLETICS **E**XHIBITIONS **F**ILMS **L**ECTURES **M**USIC **R**ECREATION
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CONTINUING

F CINECENTA CLOSED FOR SUMMER.
(REOPENS AUGUST 25) Info 721-8365.

**Wed.
June 5**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Thurs.
June 6**

L 7:30 p.m. *Recent Work on Consciousness: Philosophical, Theoretical and Empirical*. President's Distinguished Lecture. Dr. Paul Churchland, University of California at San Diego. Human & Social Development A240. Info 721-7512.

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Friday
June 7**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Saturday
June 8**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Monday
June 10**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Friday
June 14**

Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Saturday
June 15**

T 8:00 p.m. *This is for you, Anna*. Directed by Hope McIntyre. A Spectacle of Revenge. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Sunday
June 16**

M 2:00 p.m. *Gina*

Sinclair Dance-a-Rama '96. \$10 at University Centre Box Office. University Centre Auditorium. Info 721-8480.

**Monday
June 17**

T 8:00 p.m. *This is for you, Anna*. Directed by Hope McIntyre. A Spectacle of Revenge. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Tuesday
June 18**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Thursday
June 13**

T 8:00 p.m. *The Melville Boys*.

**Wednesday
June 19**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Thursday
June 20**

T 8:00 p.m. *This is for you, Anna*. Directed by Hope McIntyre. A Spectacle of Revenge. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Friday
June 21**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Saturday
June 22**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office.

**Monday
June 24**

T 8:00 p.m. *This is for you, Anna*. Directed by Hope McIntyre. A Spectacle of Revenge. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Tuesday
June 25**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Wednesday
June 26**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Thursday
June 27**

T 8:00 p.m. *Hush*. Directed by Colin Legge. A Clash of Characters and Ideologies. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Friday
June 28**

T 8:00 p.m. *This is for you, Anna*. Directed by Hope McIntyre. A Spectacle of Revenge. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.

**Saturday
June 29**

T 8:00 p.m. *The Melville Boys*. Directed by Ross Desprez. A Comedy that Comes to Grips with Life. \$9-\$11 at Phoenix Theatre Box Office. Phoenix Theatre Building. Info 721-8000.



UVIC PHOTO SERVICES

T.J. Dawe (left) and Nicholas Harrison star in Norm Foster's *The Melville Boys*, one of three controversial theatre productions presented in repertory by the Phoenix Summer Theatre June 4 to June 29. Also in repertory are *This is for you, Anna*, (below) and *April De Angelis' Hush*, directed by Colin Legge. UVic students are offered a special one-half ticket price of \$4.50 on Monday, Tuesday and Wednesday evenings up to June 12. For more information and reservations, call the Phoenix Box Office at 721-8000.



UVIC PHOTO SERVICES

This is for you, Anna by the Anna Project. Left to right, Jennifer Cassady, Victoria Honour, Mairi Babb and Medina Hahn.

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LETTERS

Bookstore Thank you

To the Humanities Departments Staff who sent us such a thoughtful card, encouraging us in our construction trials, a heartfelt thanks. You made our day! The Bookstore Staff.

Support for bus shelters

Editor:

Bus shelters have been erected around Ring Road!
Hurrah and thank you!

After evening classes in the Cornett Building or attending Phoenix Theatre presentations, I have stood in darkness, wind and rain waiting for a bus, as have many other people. Replies to letters of concern sent as long ago as 1990 promised that "bus shelters were in the budget" - usually in next year's budget. Now, finally, through joint funding by UVic and BC Transit public transit users have been accorded a little recognition, consideration and shelter.

As Kermit the frog sings "it isn't easy being green....".

Sincerely,
Norma Alison
Alumni & Staff

Our Letters Policy

The Ring welcomes letters to the editor on issues of direct concern to the University community. Letters for publication must be signed by the author and should not exceed 600 words. *The Ring* editor reserves the right to edit for length and libellous content.

Opinions expressed in letters are the author's and do not necessarily reflect the views of the University administration or *The Ring* editorial staff.

Submissions must be received at least one week in advance of publication. Write to *The Ring* at Public Relations and Information Services, P.O. Box 3060, Victoria B.C. V8W 3R4 or, fax your contribution to 721-8955. The editor's telephone number is 721-7641.

CLASSIFIEDS

Classified ad rates will be \$10 for up to 25 words and \$.50 for each additional word. Ads will not be accepted by phone and must be delivered in writing, with cash or cheque payment, to UVic Public Relations and Information Services, University House 2. The advertising deadline is eight days before publication date. For more information please call 721-7636.

Fairfield Sublet June 20-July 20 (approx.) Lovely, quiet two bedroom home 1/2 block from ocean N/S/N/D; ideal for couple. \$575/mo 595-1940

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Renaissance people provide truly effective editing and proofreading services for science, health care, education, and business. Call Rachel Goldsworthy at 383-2662 for more information.

Students' advice heard by airlines

Two years ago, Canadian Airlines International (CAI) examined its portfolio of 160 destinations in 20 countries on five continents and decided it could do better. The company approached five Canadian universities, including UVic, for advice on how to be more effective in increasing the number of passengers on its flights bound for Canada.

A proposal by Faculty of Business students Denise Teo and Peter Ko to increase traffic to Canada from Hong Kong was chosen by CAI as the best project from UVic. Along with a plaque and a pen, the students were given a five day trip to Hong Kong courtesy of CAI to expand their research. (Only Teo will actually make the trip; Ko, who has already graduated from UVic, is already in Hong Kong working in the customer financing unit of IBM China/Hong Kong Corporation.)

Teo, an international student

from Malaysia, and Ko recommended CAI combat stiff competition from Asian-based airlines by aligning its image more closely with Canada, the destination country. They also recommended the Canadian airline target previous passengers and any

business or trade organizations they might belong to, attract seniors visiting families by offering promotional fares and more flexible schedules allowing for longer stays and be sensitive to Chinese cultural influences in planning advertising campaigns.



PATY PITTS PHOTO

A trip to Hong Kong and a plaque was presented to commerce graduate Denise Ko from Dan O'Grady, manager of community investment, The Canadian Airlines Foundation, in recognition of her airline marketing plan.

The other universities involved in CAI's Destination Canada program are the University of Calgary, Ryerson, Mt. St. Vincent, and the Université du Québec à Montréal. Besides encouraging research links with these universities, CAI is offering free flights to graduating students who are selected for job interviews in the tourism industry in other parts of the country. CAI current and retired employees have also formed a speakers' bureau and have offered their services to tourism classes at the partner universities.

RINGERS

Dr. Alan Pence (Child & Youth Care) recently returned from a trip to the Palestinian Territories where he worked at the Early Childhood Resource Centre, a non-profit organization funded by the European Community. The Centre trains early childhood trainers. Pence says the early childhood challenges in that part of the world, although riddled with the children's fears of death and the presence of armed soldiers, are very similar to challenges faced by trainers elsewhere. Particularly predominant are pre-school programs where children sit all day. Pence is working with the Centre to develop more activity and play-centred programs.

GAZETTE

Re: Personnel Appointments

This is to confirm that the Board of Governors, at the closed session of a regular meeting held on May 7, 1996, adopted the following motion:

New Appointments - Faculty

That the Board of Governors approve: that **Bonnie Leadbeater**, B.Sc. and M.A. Ed. (Ottawa), Ph.D. (Columbia), be appointed Associate Professor with tenure in the Department of Psychology, beginning 1 July, 1997.

that **Eric Morse**, B.S.I.E., M.B.A., be appointed Visiting Lecturer, Faculty of Business, for the period July 1, 1996 to June 30, 1997.

that **Christine Welsh**, B.A. (Regina), be appointed Assistant Professor, Department of Women's Studies, part-time for the period July 1, 1996 to June 30, 1999.

that **Jo-Anne Lee**, B.A. (Simon Fraser), M.A. (UBC), Ph.D. (Sask), be appointed Assistant Professor, Department of Women's Studies, for the period July 1, 1996 to June 30, 1999.

that **Heather Raven**, B.A., LL.B. (UBC) be appointed Visiting Assistant Professor, Faculty of Law, for the period July 1, 1996 to June 30, 1999.

that **Rita Schreiber**, B.A., (Franklin & Marshall College), M.Sc. in Nursing (U of Minnesota), Ph.D. (State Univ. of New York), be appointed Assistant Professor, School of Nursing, for the period July 1, 1996 to June 30, 1999.

that **Janet Storch**, B.Sc.N., M.H.S.A., Ph.D. (U of Calgary), be appointed Professor with tenure, School of Nursing and Director, School of Nursing, for the period July 1, 1996 to June 30, 2001.

Re-Appointments

that **Pamela Highbaugh-Aloni** be re-appointed Artist-in-Residence,

School of Music, for the period July 1, 1996 to June 30, 2003.

that **Sharon Stanis** be re-appointed Artist-in-Residence, School of Music, for the period July 1, 1996 to June 30, 2003.

that **Joanna Hood** be re-appointed Artist-in-Resident, School of Music, for the period July 1, 1996 to June 30, 2003.

that **Ann Elliott-Goldshmid** be re-appointed Artist-in-Residence, School of Music, for the period July 1, 1996 to June 30, 2003.

Special Appointments:

That the Board of Governors approve:

1. that **Professor John A. Schofield**, Department of Economics be appointed the Dean of Social Sciences for the period 1 July, 1996 to 30 June, 2001.

2. that he be granted an Administrative Leave for the period 1 July, 1998 to 30 June, 1999 on full professorial salary; and

3. that on completion of his decanal term he be granted a further Administrative Leave (in recognition of administrative service in 1997 - 1998 and 1999 - 2001 and of academic service in 1984 - 86) for the period July 1, 2001 to June 30, 2002.

that **Anita Molzahn** be appointed Dean of the Faculty of Human and Social Development for the period 1 July, 1996 to 30 June, 2001 and that on completion of this decanal term, she be granted an Administrative Leave for the period 1 July 2001-30 June, 2002 on full professorial salary.

that **Terence E. Gough** be appointed Acting Dean of Science for the period July 1, 1996 to June 30, 1997.

that **Malcolm Rutherford** be re-appointed Chair, Department of Economics, for the period July 1, 1996 to June 30, 1999.

that **Donald Ferguson** be appointed

Acting Chair, Department of Economics, for the period July 1, 1996 to June 30, 1997 (during Dr. Rutherford's academic leave).

that **Danielle Thaler** be appointed Chair, Department of French Language and Literature, for the period July 1, 1996 to June 30, 1999.

that **Panajotis Agathoklis** be appointed Chair, Department of Electrical and Computer Engineering, for the period July 1, 1996 to June 30, 1999.

that **Derk Wynand** be appointed Chair, Department of Writing, Faculty of Fine Arts, for the period July 1, 1996 to June 30, 1999.

that **David Scott** be appointed Director, Institute for Integrated Energy Systems, for the period April 1, 1996 to January 31, 1999.

that **Sadik Dost** be appointed Director, Centre for Advanced Materials and Related Technology, for the period April 1, 1996 to October 31, 1997.

Tenure

That the Board of Governors approve: that members of faculty noted below be appointed with tenure effective 1 July, 1996:

FACULTY of ARTS and SCIENCE (Humanities)
Classics
Ingrid E. Holmberg Assistant Professor

French Language and Literature
Niang, Sada Assistant Professor

FACULTY of ARTS and SCIENCE (Sciences)
Biology
Paul, Dorothy Associate Professor

Chemistry
Berg, David J. Assistant Professor

Mathematics and Statistics
Diacu, Florin N. Assistant Professor

Physics and Astronomy
Gower, Ann Associate Professor
Pitman, Dale B. Assistant Professor

FACULTY of ARTS and SCIENCE (Social Sciences)
Economics
Kennedy, Peter W. Assist. Professor

Geography
Duffus, David Assistant Professor

Psychology
Brimacombe, C.A. Elizabeth Assistant Professor

FACULTY of EDUCATION
Communication and Social Foundations
Robertson, Margaret Assistant Professor

FACULTY of HUMAN and SOCIAL DEVELOPMENT
Nursing
Lindsey, Elizabeth A. Assistant Professor

Social Work
Brown, Leslie A. Assistant Professor
Pittaway, Elizabeth Dow Assistant Professor

FACULTY of LAW
Lisa Philipps Assistant Professor

Leave

That the Board of Governors approve: that **Michael J. Whitar** School of Earth and Ocean Sciences, Faculty of Arts and Science (Science) be granted academic leave for the period January 1, 1997 to June 30, 1997, in accordance with the Academic Leave Policy.

Correction

The Gazette in the April 12, 1996 edition of *The Ring*, incorrectly listed the appointment of Maria Guasch, who has been appointed Assistant Professor, Hispanic and Italian Studies for the period July 1, 1996 to June 30, 1999.